

WHAT IS CLAIMED IS:

1. A coupling adjusting structure for a double-tuned circuit, comprising: a printed circuit board; a first tuned circuit comprising a first coil formed by a combination of first and second conductive patterns formed on first and second surfaces of the printed circuit board, respectively; and a second tuned circuit comprising a second coil formed by another combination of other first and second conductive patterns formed on the first and second surfaces of the printed circuit board, respectively, wherein the first and second coils are configured such that the first conductive patterns formed on the first surface of the printed circuit board and the corresponding second conductive patterns formed on the second surface of the printed circuit board are connected to each other via corresponding connecting conductors, one end of the first coil and the corresponding end of the second coil are disposed close to each other, at least one first ground conductive pattern is disposed at least on the first surface of the printed circuit board, and at least one first jumper connected to the first ground conductive pattern is disposed between the first and second coils so as to adjust an inductive coupling of the double-tuned circuit.

2. The coupling adjusting structure for a double-tuned circuit according to Claim 1, wherein a first island

conductive pattern which is out of conduction with the first ground conductive pattern is provided between the first and second coils and on the first surface of the printed circuit, and the first jumper is connected to the first ground conductive pattern and the first island conductive pattern.

3. The coupling adjusting structure for a double-tuned circuit according to Claim 2, wherein at least one second ground conductive pattern and a second island conductive pattern which lies between the first and second coils and which is out of conduction with the second ground conductive pattern are provided on the second surface of the printed circuit board, the first and second ground conductive patterns are connected to each other via a conductor, and the first and second island conductive patterns are connected to each other via another conductor.

4. The coupling adjusting structure for a double-tuned circuit according to Claim 3, wherein at least one second jumper is connected to the second ground conductive pattern and the second island conductive pattern so as to adjust the inductive coupling.

5. A coupling adjusting structure for a double-tuned circuit, comprising: a printed circuit board; a first tuned circuit comprising a first coil formed by a combination of first and second conductive patterns formed on first and

second surfaces of the printed circuit board, respectively; and a second tuned circuit comprising a second coil formed by another combination of other first and second conductive patterns formed on the first and second surfaces of the printed circuit board, respectively, wherein the first and second coils are configured such that the first conductive patterns formed on the first surface of the printed circuit board and the corresponding second conductive patterns formed on the second surface of the printed circuit board are connected to each other via corresponding connecting conductors, one end of the first coil and the corresponding end of the second coil are disposed close to each other, at least one first ground conductive pattern comprising a first adjusting conductive pattern extending between the first and second coils is disposed at least on the first surface of the printed circuit board, and the first adjusting conductive pattern is cut off by at least one first break so as to adjust an inductive coupling of the double-tuned circuit.

6. The coupling adjusting structure for a double-tuned circuit according to Claim 5, wherein at least one second ground conductive pattern comprising a second adjusting conductive pattern extending between the first and second coils is provided on the second surface of the printed circuit board, and the first and second ground conductive patterns are connected to each other via a conductor.

7. The coupling adjusting structure for a double-tuned circuit according to Claim 6, wherein the second adjusting conductive pattern is cut off by at least one second break so as to adjust the inductive coupling.